



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of)

HIMMELHAUS et al.)

Application Number: 10/022,735)

Filed: December 20, 2001)

For: BIOCHEMICAL SENSOR AND BIOCHEMICAL)
TESTING SYSTEM USING THE SAME)

Attorney Docket No. HITA.0139)

Honorable Assistant Commissioner
for Patents
Washington, D.C. 20231

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PRELIMINARY AMENDMENT

Sir:

Prior to an examination on the merits, please substitute the claims of record with the replacement claims as follows:

IN THE CLAIMS:

Please cancel claim 6 without prejudice or disclaimer, and substitute claims 1, 12 and 19 with the following amended claims:

- al
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1. A chemical sensor comprises a plurality of particles each of which surface is attached with substantially the same number of biochemical probes to be attached with at least one kind of substances of interest in a specimen, and a planar baseplate with a plurality of sections arranged separately from each other and each of which is fixed with said particles,

wherein density of said particles in each of said sections is substantially the same.

12. A method for testing at least one substance of interest in a specimen with biochemical probes, comprising:
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